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A List of Scientific Papers : Published in Other Journals by the Staff of the Institute and their Co- workers during the Year 1954

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(Papers marked with (*) are written in foreign languages,
otherwise they are written in Japanese)

- Kinsuke KONDO, Shigeki MORI and Morikazu KAJIMA : Studies on proteins. (LXI). On the components of soybean protein. (2). Formation of the component-protein of soybean during the ripening duration. *Kyoto Daigaku Shokuryo Kagaku Kenkyusho Hokoku (Bulletin of the Research Institute for Food Science, Kyoto University)*, **15**, 37.
- Kinsuke KONDO, Shigeki MORI and Morikazu KAJIMA : Studies on proteins. (LXII). On the components of soybean protein. (3). Germinating of soybean and variation of component-protein. *Ibid.*, **15**, 49.
- Ryuzaburo NODZU, Sango KUNICHIKA, Shinzaburo OKA and Kimio KUSUNOSE : Acetylene and its derivatives. (XI). Vapor phase condensation of acetaldehyde by means of various metallic oxides or hydroxides. *Kogyo Kagaku Zasshi (Journal of the Chemical Society of Japan, Industrial Chemistry Section)*, **57**, 914.
- Toshizo ISOSHIMA : Acetylene and its derivatives. (IX). Quantitative analysis of the mixture of acetic acid, acetaldehyde and acetone. *Ibid.*, **57**, 743.
- Toshio ISOSHIMA : Quantitative analysis of the mixture of acetic acid, acetaldehyde, acetone, ethyl acetate and ethyl alcohol. *Ibid.*, **57**, 745.
- Ryuzaburo NODZU, Hiroshi WATANABE : Studies on chemotherapy of tuberculosis. (IV). Synthesis of *m*- and *p*-aminophenol alkyl ethers and their bacteriostatic actions on *Mycobacterium tuberculosis*. *Yakugaku Zasshi (Journal of the Pharmaceutical Society of Japan)*, **74**, 872.
- Ryuzaburo NODZU, Hiroshi WATANABE, Shinzaburo OKA et al. : Studies on chemotherapy of tuberculosis. (V). Synthesis of resorcinol monoalkyl ethers and hydroquinone monoalkyl ethers, and their bacteriostatic action on *Mycobacterium tuberculosis*. *Ibid.*, **74**, 875.
- Ryuzaburo NODZU, Hiroshi WATANABE et al. : Studies on chemotherapy of tuberculosis. (VI). Synthesis of *o*- and *p*-alkoxybenzaldehyde thiosemicarbazones and their bacteriostatic actions on *Mycobacterium tuberculosis*. *Ibid.*, **74**, 1248.
- Ryuzaburo NODZU, Hiroshi WATANABE et al. : Studies on chemotherapy of tuberculosis. (VII). Synthesis of *o*-alkoxyanilino compounds and their bacteriostatic

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- actions on *Mycobacterium tuberculosis*. *Ibid.*, 74, 1250.
- Yuzo INOUE, Terumi SHINOHARA and Minoru OHNO: An approach to the synthesis of pyrethric acid. *Botyu-Kagaku (Scientific Insect Control)*, 19, 35.
- Toshihiko OIWA: Polarographic determination of pyrethroids. *Polarography no Kenkyu (Study of Polarography)*, 2, 84.
- Masayuki HAMADA and Tsutomu SUZUKI: Studies on chemical constitution and insecticidal activity. (VII). Syntheses of 1,2-diphenylcyclopropane and 1,2-bis-(*p*-chlorophenyl)-cyclopropane. *Botyu-Kagaku (Scientific Insect Control)*, 19, 76.
- Toshio FUJITA and Masayuki HAMADA: On the dipole moments of DDT's related compounds. (II). *Ibid.*, 19, 80.
- Masayuki HAMADA: Studies on chemical constitution and insecticidal activity. (VIII). Infrared absorption spectra of diphenylcyclopropanes. *Ibid.*, 19, 135.
- Sumio NAGASAWA: On the scientific name of the common housefly in Japan. Problems on the breeding of insects for biological assay of insecticides. (V). *Ibid.*, 19, 32.
- Sumio NAGASAWA: On a standard substance used in the biological assay of pyrethrin type compounds. Studies on the biological assay of insecticides. (XXXI). *Ibid.*, 19, 74.
- Sumio NAGASAWA: "Studies on the biological assay of insecticides. With special reference to the studies of factors affecting the experimental results of the settling dust apparatus method," Kyoto.
- Sumio NAGASAWA: On the lethal effect of silicon carbide powder in various moisture contents to adults of the azuki bean weevil, *Callosobruchus chinensis* L. Studies on the lethal effects of the so-called 'inert' pulverized dust to insect. (V). *Botyu-Kagaku (Scientific Insect Control)*, 19, 100.
- Sumio NAGASAWA: Screening test in the science of insecticides. *Kagaku no Ryoiki, (Journal of Japanese Chemistry)*, 8, 352.
- Sumio NAGASAWA: On the external morphology of the larvae of *Hyponomeuta euonymella* Hübner (Lep., Hyponomeutidae). *New Entomologist*, 3 (4), 9.
- Sumio NAGASAWA: On the relation between the mixing method of insecticidal dust and its effectiveness. *Noyaku (Agricultural Medicine)*, 1 (11), 32.
- Sumio NAGASAWA: On the lethal effect of some inert pulverized dusts to adults of the azuki bean weevil *Callosobruchus chinensis* L., under different relative humidities. Studies on the lethal effect of the so-called 'inert' pulverized dust to insects. (VI). *Botyu-Kagaku (Scientific Insect Control)*, 19, 127.

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- Sumio NAGASAWA : On the local variation of elytral dimension in the flea beetle, *Phyllotreta striolata* Fabricius. *Oyo Kontyu (Applied Entomology)*, **10**, 150.
- Yuzo INOUE and Terumi SHINOHARA : Studies on the synthetic pyrethroids. (IV). Synthesis of β -methylcrotonaldehyde. *Botyu-Kagaku (Scientific Insect Control)*, **19**, 102.
- Hajime FUJIMURA : Studies on the interaction of autonomic and analgesic drugs on the human volunteers. *Nihon Yakurigaku Zasshi (Folia pharmacologia japonica)*, **50**, 32 §.
- Hajime FUJIMURA : Studies on the interaction of autonomic and analgesic drugs on the human volunteers. (Continued). *Ibid.*, **50**, 224 §.
- Tomio SEGAWA : The influences of some drugs on the output of adrenaline and noradrenaline in the suprarenal gland. *Ibid.*, **50**, 536.
- Hajime FUJIMURA, Michiyasu SUGII et al. : Studies on syntheses and pharmacological action of tetralin derivatives. (I). *Yakugaku Zasshi (Journal of the Pharmaceutical Society of Japan)*, **74**, 954.
- Kikuo OGIU, Hajime FUJIMURA et al. : Pharmacological studies of aminocyclohexane derivatives. (I). *Ibid.*, **74**, 1026.
- *Ren KIMURA : An electron microscopy of viruses in host cells. *Acta Scholae Medicinalis Universitatis in Kioto*, **32**, 28.
- *Ren KIMURA : Virusforschung. *Scientia*, **48**, 1.
- Senji UTZINO, Yuko OKA and Takashi MURACHI : Enzymic degradation of D-glucosamine by *Escherichia Coli*. *Seikagaku (Journal of Japanese Biological Society)*, **25**, 456.
- Senji UTZINO and Shigeru Tsuno : Studies on the excretion of TPD. *Vitamins*, **7**, 473.
- Senji UTZINO and Minoru ONOYAMA : Influences TAD and TPD. on the cathepsin actions. *Ibid.*, **7**, 1094.
- *Senji UTZINO, Minoru ONOYAMA and Tadatami NAKAO : Influence of γ -aceto- γ -mercapto-propanol, cleavage product of thiamine, on the toad catheptase, papain and ficin. *Acta Scholae Medicinalis Universitatis in Kyoto*, **31**, 167.
- Senji UTZINO and Ryokuero SUZUE : Studies on the Taka-phosphatases. *Shokuryo to Eiyo (Journal of the Japanese Society of Food and Nutrition)*, **7**, 24.
- Hiroshi SAWAMURA and Masatoshi TSUDA : Investigation on cast iron having fine graphite produced by melting cast iron with slag containing TiO_2 . (III). Influence of chemical composition of cast iron upon the structure of product, *Tetsu to*

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Hagane (Iron and Steel), 40, 622.

Hiroshi SAWAMURA and Masatoshi TSUDA: Investigation on cast iron having fine graphite produced by melting cast iron with slag containing TiO_2 . (IV). Some melting conditions for the manufacture of S-H cast iron. *Ibid.*, 40, 986.

Takuhiko MOTOYAMA and Seizo OKAMURA: Increasing effect on the viscosity of polyvinylalcohol solution. *Kobunshi Kagaku (Chemistry of High Polymers)*, 11, 23.

Ichiro SAKURADA and Yasuhiko NUKUSHIMA: Thermodynamics of swelling of crystalline high polymers. *Ibid.*, 11, 472.

Noboru MORI and Takeshi TANAKA: Tensile recovery of synthetic fiber 'Vynlon'. (I). *Sen-i Gakkaishi (Journal of the Society of Textile and Cellulose Industry, Japan)*, 10, 93.

Noboru MORI, Takashi TANAKA, Kiyoshi SAKURAI and Sadayuki OKADA: Preparation of synthetic fiber 'Vynlon' from partially saponified polyvinylacetate. *Ibid.*, 10, 155.

Kiyoshi HIRABAYASHI, Noboru MORI and Koji FUKUMI: Manufacture of synthetic fiber 'Vynlon' with various cross sectional forms. *Ibid.*, 10, 386.

Seizo OKAMURA, Takuhiko MOTOYAMA, Takuo TODA and Tomihiro NISHIYAMA: Reaction in emulsion. (I). Alkali-saponification of polyacrylic esters. *Kogyo Kagaku Zasshi (Journal of the Chemical Society of Japan, Industrial Chemistry Section)*, 57, 31.

Seizo OKAMURA, Takuhiko MOTOYAMA, Takuo TODA and Tomihiro NISHIYAMA: Reaction in emulsion. (II). Alkali-saponification of polyvinylacetate. *Ibid.*, 57, 33.

Seizo OKAMURA and Takuhiko MOTOYAMA: Solubilization and emulsion polymerization of various monomers. *Ibid.*, 57, 930.

Waichiro TSUJI and Masazo IMAI: Influence of boric acid and the other compounds upon the properties of polyvinylalcohol. *Kasen Koenshu (Annual Reports of the Research Institute for Synthetic Fibers, Japan)*, 10, 1.

Noboru MORI, Waichiro TSUJI and Ichiro SAKURADA: Preparation and improvement of the resistance against the hot water of the pure polyvinylchloride fibers. *Ibid.*, 10, 35.

Ichiro SAKURADA, Akira YAMAMOTO, Osamu YASUTAKE and Waichiro TSUJI: Manufacture and properties of synthetic fiber 'Vynlon S' and its meaning for Vynlon industry. *Ibid.*, 10, 55.

Noboru MORI: Tensile recovery of synthetic fiber 'Vynlon.' *Ibid.*, 11, 134.

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- Ichiro SAKURADA and Waichiro TSUJI: On the resilience of the chemical fibers. *Ibid.*, **11**, 180.
- Waichiro TSUJI, Masazo IMAI and Teruko YAGI: Research on the resin and other chemical treatments of silk. (II). The prevention of the yellowing and light deterioration. *Jushi Kako (Resin Finishing and Applications)*, **3**, 417.
- *Yoshimasa TAKEZAKI and Chisato TAKEUCHI: Decomposition of methanol induced by methoxy radicals. *Journal of Chemical Physics*, **22**, 1527.
- Shinjiro KODAMA, Isoji TANIGUCHI, Sachio YUASA, Tadahisa OHTA and Yutaka TERADA: Continuous production of polyethylene in semi-industrial scale. *Kogyo Kagaku Zasshi (Journal of the Chemical Society of Japan, Industrial Chemistry Section)*, **57**, 439.
- Shinjiro KODAMA, Isoji TANIGUCHI, Akio WATANABE, Isao YOSHIDA and Sachio YUASA: Studies on the 'Oxo reaction'. (I). Hyoxymethylation of oils and fats. *Ibid.*, **57**, 395.
- Shinjiro KODAMA, Susumu FUKUSHIMA, Shinji NOSE and Tetsuro KISAICHI: Reaction between ammonia and carbon disulfide under pressure. (III). Condition for the formation of thiourea. *Ibid.*, **57**, 91.
- *Shinjiro KODAMA, Isoji TANIGUCHI, Sachio YUASA, Tadahisa OHTA and Yutaka TERADA: Continuous production of polyethylene in semi-industrial scale. *Memoirs of the Faculty of Engineering, Kyoto University*, **16**, 253.
- *Teiji TSURUTA, Ken-ichi SASAKI and Junji FURUKAWA: Kinetics of iodine-catalyzed bromination. (II). Bromination of toluene. *Journal of the American Chemical Society*, **76**, 994.
- *Junji FURUKAWA, Akira ONISHI, Teiji TSURUTA and Shiro OSHIMA: Addition reactions of amino compounds to ethyl vinyl ether. *Bulletin of the Chemical Society of Japan*, **27**, 184.
- Masayoshi ISHIBASHI, Taitiro FUJINAGA and Yuzuru KUSAKA: Chemical studies on radioactive indicators. (XVIII). Controlled potential electro-separation of copper, bismuth and lead, and its radio-active indication using Th-B and Th-C as tracers. *Nippon Kagaku Zasshi (Journal of the Chemical Society of Japan, Pure Chemistry Section)*, **75**, 13.
- Masayoshi ISHIBASHI, Koichi EMI and Kyoji TOEI: Studies on selective and specific exchange resins. (I). Synthesis of polyhexyl (potassium ion exchange resin). *Ibid.*, **75**, 295.
- Masayoshi ISHIBASHI and Taitiro FUJINAGA: Studies on the controlled potential electrolysis. (VI). Construction of sensitive automatic instrument. *Bunseki Ka-*

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gaku (Japan Analyst), **3**, 96.

Masayoshi ISHIBASHI and Shinnosuke HIGASHI: Determination of μg amount of thorium. *Ibid.*, **3**, 213.

Masayoshi ISHIBASHI, Tsunenobu SHIGEMATSU and Yasuharu NAKAGAWA: Studies on the fluorometric analysis. (I). A trial construction of the fluorophotometer and fluorocolorimetric determination of aluminium with morin. *Ibid.*, **3**, 293.

*Nobuji SASAKI and Masaru ONCHI: The effect of vapours of halogen compounds on the emission of positive ions from platinum. *Nature*, **174**, 84.

*Nobuji SASAKI and Toshiyoshi YUASA: Chemical studies on ion emission from solids. (II). A method of micro-determination of an alkali salt in aqueous solution by measuring positive-ion emission. *Bulletin of the Chemical Society of Japan*, **27**, 46.

Tatsuo KARIYONE and Kiyoshi TSUKIDA: Microchemical studies on plant components. (XXXVII). Hydroxyanthrones in plants containing hydroxyanthraquinones. (I). Separatory detection of chrysophanic acid and distribution of chrysophanic acid anthrone in plants. *Yakugaku Zasshi (Journal of the Pharmaceutical Society of Japan)*, **74**, 232.

Tatsuo KARIYONE, Kiyoshi TSUKIDA and Nobuo SUZUKI: Microchemical studies on plant components. (XXXVIII). Hydroxyanthrones in plants containing hydroxyanthraquinones. (2). Microchemical detection of hydroxyanthrones. *Ibid.*, **74**, 234.

Tatsuo KARIYONE and Takao INOUE: Microchemical studies of plant components. (XX). Separation of purines and pyrimidines by paper chromatography and paper electromigration. *Ibid.*, **74**, 301.

Tatsuo KARIYONE and Takao MATSUNO: Studies on the components of *Citrus* species (*Rutaceae*). (II). *Ibid.*, **74**, 493.

Tatsuo KARIYONE, and Takao MATSUMOTO: Studies on the components of *Citrus* species (*Rutaceae*). (III). Studies on the constituents of orange oil. (2). *Ibid.*, **74**, 493.

Tatsuo KARIYONE and Koichiro ISOI: Studies on plant waxes. (VI). Lignans from the leaves of *Coniferae*. (I). *Ibid.*, **74**, 1312.

Akira WATANABE, Fukuji TSUJI, Kazuo NISHIZAWA and Shizuo UEDA: Studies on surface electricity. (VII). On theory and application of U-effect II. *Denki Kagaku (Journal of the Electrochemical Society of Japan)*, **22**, 179.

Akira WATANABE, Fukuji TSUJI and Shizuo UEDA: Studies on surface electricity. (VIII). On capacity measurement of dropping mercury electrodes by resonance method. *Ibid.*, **22**, 521.

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- *Shizuo UEDA, Akira WATANABE and Fukuju TSUJI: Studies on surface electricity. (V). Capacity measurement at mercury-solution interfaces by impedance matching method. (2). *Memoirs of the College of Agriculture, Kyoto University*, **67**, 53.
- *Shizuo UEDA, Akira WATANABE and Fukuju TSUJI: Studies on surface electricity. (VI). On several characters of U-effect. *Ibid.*, **67**, 61.
- *Shizuo UEDA, Fukuju TSUJI and Akira WATANABE: Study on surface electricity. (VII). On counter U-effect. *Ibid.*, **67**, 69.
- *Akira WATANABE, Fukuju TSUJI and Shizuo UEDA: Study on surface electricity. (VIII). Theory and application of U-effect. (Continued). *Ibid.*, **67**, 73.
- *Akira WATANABE, Fukuju TSUJI and Shizuo UEDA: Study on surface electricity. (IX). Capacity measurement at mercury-solution interfaces by resonance method using U-effect. *Ibid.*, **67**, 79.
- *Hideo TAKAI, Shigeo NAKAMURA et al.: The production of single crystals of metals and alloys with any desired orientation by solidification at high temperature. *Journal of the Physical Society of Japan*, **9**, 204.
- Masayoshi ISHIBASHI, Hideo TAKAKI, Yuzuru KUSAKA and Yasuo DEGUCHI: Production and chemical analysis of magnetite. *Nihon Kinzoku Gakkai Bunkakai Hokoku (Bulletin of Subdivision, Journal of the Japan Institute of Metals)*, **12**, 49.
- *Hideo TAKAKI and Yoji NAKAMURA: The magnetostriction constants of silicon steel. (I). *Journal of the Physical Society of Japan*, **9**, 507.
- *Hideo TAKAKI and Yoji NAKAMURA: The magnetostriction constants of silicon steel. (II). *Ibid.*, **9**, 748.
- *Eiji SUIITO and Kazuyoshi TAKIYAMA: Formation and aging of precipitates. (I). Electron microscopic studies of the formation of barium sulfate precipitate. *Bulletin of the Chemical Society of Japan*, **27**, 121.
- *Eiji SUIITO and Kazuyoshi TAKIYAMA: Formation and aging of precipitates. (II). Electron microscopic studies of the aging of barium sulfate precipitate. *Ibid.*, **27**, 123.
- Eiji SUIITO, Masafumi ARAKAWA and Teru ARAKAWA: Surface area measurement of powders by adsorption in liquids phase. (I). Calculation of specific surface area of calcium carbonate powders from the adsorption of stearic acid. *Nippon Kagaku Zasshi (Journal of the Chemical Society of Japan, Pure Chemistry Section)*, **75**, 596.
- Eiji SUIITO, Masafumi ARAKAWA and Teru ARAKAWA: Surface area measurement of

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- powders by adsorption in liquids phase. (II). Effect of adsorbates and solvents. *Ibid.*, **75**, 599.
- Kazuyoshi TAKIYAMA and Eiji SUTO : An electron microscopic study on the suspension for the nephelometry of sulfate ion. *Bunseki Kagaku (Japan Analyst)*, **3**, 291.
- *Eiji SUTO and Kazuyoshi TAKIYAMA : Electron microscopy and diffraction studies of vanadium pentoxide sols. *Proceedings of the Japan Academy*, **30**, 752.
- Eiji SUTO and Natsu UYEDA : Electron micro-diffraction method. *Kagaku no Ryoiki (Journal of Japanese Chemistry)*, **8**, 147.
- Eiji SUTO : Particle size analysis of fine powder. *Kagaku (Science)*, **24**, 466.
- Eiji SUTO : Powders-particle size and shape. *Kagaku-Kogaku (Chemical Engineering)*, **18**, 556.
- Masazo NISHIDA and Junji FURUKAWA : The action of free radicals on natural rubber. *Nippon Gomu Kyokaishi (Journal of the Rubber Society, Japan)*, **27** (6), 17.
- Masazo NISHIDA and Junji FURUKAWA : On the tensile strength of vulcanized rubber. *Ibid.*, **27** (6), 21.
- Tsutomu OHMAE and Junji FURUKAWA : Characteristics of fluidized particles. (VII). Consideration on the mean kinetic energy of particles and the temperature of the fluidized-particles system. *Kogyo Kagaku Kaishi (Journal of the Chemical Society of Japan, Industrial Chemistry Section)*, **57**, 6.
- Tsutomu OHMAE and Junji FURUKAWA : Surface tension of fluidized particles. *Ibid.*, **57**, 785.
- Tsutomu OHMAE and Junji FURUKAWA : Rheological property of fluidized particles. *Ibid.*, **57**, 788.
- Hiroshi SAWAMURA, Toshisada MORI and Isamu IWATSURU : A supplement to the Investigation of equilibrium diagram of Fe-As-C system. On magnetic transformation temperature of Fe-As and Fe-As-C alloys. *Suiyokai (Journal of the Suiyokai)*, **12**, 8.
- *Hiroshi SAWAMURA and Toshisada MORI : Ditto. *Memoirs of the Faculty of Engineering, Kyoto University*, **16**, 182.
- *Hiroshi SAWAMURA and Toshisada MORI : Effect of arsenic, copper, tin and molybdenum on impact properties of steels. *Ibid.*, **16**, 205.